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W9KJF

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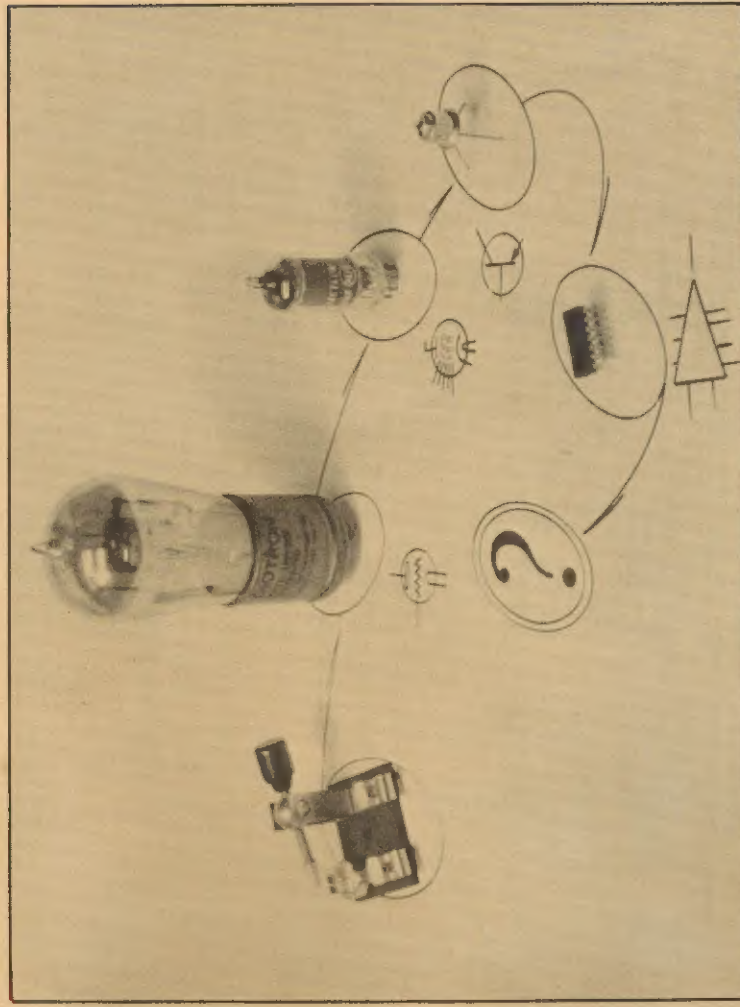
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# Ma cheswer

PUBLISHED FOR

INDIANAPOLIS RADIO CLUB, INC. APR. 1970  
FOUNDED 1914



INDIANAPOLIS RADIO CLUB, INC.

2555 Westlane Road

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The Indianapolis Radio Club meets on the 2nd and 4th Friday of each month, except during July and August in the Missions Building of the United Christian Missionary Society at 222 So. Downey. Meetings start promptly at 8:00 PM.

### Ama-chewer Staff

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\*\*\*\* \*\*\*\* \*\*\*\* \*\*\*\* \*\*\*\*

Ama-chewer is published monthly by and for the I.R.C. and all Amateurs in this area. Non-members may subscribe for \$2.50 per year. (10 Issues)

Publication is on the 3rd Friday of the month, with all material and ads due by the first Friday. Ham-ads are free to members and subscribers. Others may use this service for 50 cents. Keep it down to a 5 line limit.

Ama-chewer welcomes information on coming events of other clubs in the area for publication in Ama-chewer in the program section.

\*\*\*\* \*\*\*\* \*\*\*\* \*\*\*\* \*\*\*\*

W9JVF  
253 3015  
W8BS 0372  
W9EL  
291 9252

W9DNQ  
W9BS  
W9PSE  
W9CKB

K9EAT  
W9EL



## COMING PROGRAMS

Mar. 27 TO BE ANNOUNCED.

April 10 Buisness Meeting followed with a film, coffee and bull session.

April 24 Special ARRL film "A Hams Wide World".

May 8 Business Meeting followed with the annual Home Brew Contest.

May 22 Swap and Shop Night. (Dig into your Scrap Box.)

June 12 Business Meeting and plans for 1970 Field Day.

\*\*\* \*\*\* \*\*\* \*\*\* \*\*\*

Program suggestions are always welcome. If you have something you would like to present or give a demonstration on something you have whittled out with your trusty soldering iron just let us know about it. Do you have a suggestion for a field trip or a request for a particular subject to have a program on?

\*\*\* \*\*\* \*\*\* \*\*\* \*\*\*

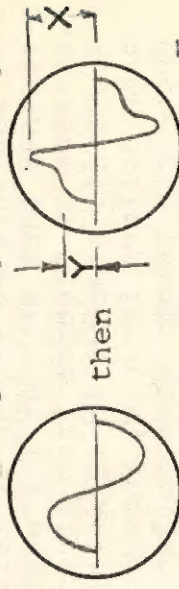
## PROGRAM REVIEW

February 27th Frank Owens K9MVG, gave the club an excellent talk on transformer design and theory. Frank started his talk with the statement that any transformer is an impedance matching device, a fact I had never really thought of except in audio work. He then gave us several hints on how to determine what the rating would be on that unlabelled transformer in the junk box, and how to find out if it might be usable for that project you have in mind. In order to find the approximate capacity of a transformer Frank used the following formula.

$$\text{Approx. area of core} = \sqrt{\frac{V A}{3.58}}$$

(an easier way is to pick out one with the name plate on it)

Another check he explained used a scope. Put a small resistance,  $\frac{1}{2}$  ohm, in series with the output of a variac and a winding of the transformer. Put the vertical plates of the scope across the resistor and run the voltage up slowly. First you will see a sine wave



then

Keep increasing the voltage until the ratio of  $\frac{X}{Y}$  is 3.5 to 4.5 to 1. Then measure the voltage across the winding and that will be the approximate voltage at which that winding was designed for. It really was a very interesting discussion.

\*\*\* \*\*\* \*\*\* \*\*\* \*\*\*

## Splatter

According to the Heath Co., about 95% of the troubles found in kits returned for service (that means "please see if YOU can get this thing to work") is due to improper soldering! Improper, in this case, probably means soldering that green wire to lug 2 when the book said lug 3.

\*\*\* \*\*\* \*\*\* \*\*\* \*\*\*

Quite a few amateurs in the Indianapolis area are active DXers. The December list shows W9SFR at the top of the pile with 333 countries confirmed! He is followed very closely by W9TKV with 324, W9ZTD with 288, K9COS, 270, W9ZRX 252, W9OVF with 242, (now W9FU) W9CL 241 (ex W9JIP) K9GCE 191 WA9UMH 162, W9JVF 120

\*\*\* \*\*\* \*\*\* \*\*\* \*\*\*

## FCC EXAMINATION DATE

Amateur examinations will be conducted May 15th in the Federal Building, Room 526. All applications must be filed in advance with the \$4.00 fee. The address is FCC Field Eng. Bureau 1872 U. S. Courthouse 219 South Dearborn St. Chicago, IL 60604



## PRESIDENTS FREQUENCY

The FCC has issued a notice of a proposed rule making, Docket 18,802 to raise application and license fees so that its entire budget will be covered by revenue from licensees. Under the proposal, amateur application fees would go to nine dollars for new, renewed, or upgraded licenses and twenty five dollars for special call signs.

I view this possibility of fee raises with mixed feelings. On one side you could say we should pay our share for services rendered: on the other hand amateurs provide a service too, in emergency communications, messages and fone patches, all with our own equipment. During the April business meeting I will bring this matter up for discussion. If the membership wishes we could submit comments on behalf of the club, before the April 20 deadline. Members who want to make their individual views known should write to our ARRL Director, Phil Haller W9HPG, 6000 South Tripp Ave. Chicago, IL. 60629 W9JVF

\*\*\* \*\*\* \*\*\* \*\*\* \*\*\* \*\*\*

## Club Equipment

The chief Op has given us a list of Club Equipment as of Feb 1970.

- \* Gonset 6M Communicator with Case Mike and Xtals.
- \* Zues 1500 W 115V AC Generator with cables
- \* Hicock Tube Tester with late chart
- \* Roneo Duplicating Machine
- \* Addressograph and Plates
- \* 3 $\frac{1}{2}$  Cup Coffee Percolator and Access.
- \* Portable Plastic Cooler.
- \* Electric Typewriter
- \* Heathkit Dot-Bar Generator (1969)
- \* These items are available to Club Members.

## Splatter

Did you notice the article in March QST on the Coax Antenna switch, page 33, which automatically grounded all antennas except the one being used. It isn't a lightning arrestor but does provide a leakage path that might otherwise be harmful. Makes you wonder why the commercial switches are not made that way.

\*\*\* \*\*\* \*\*\* \*\*\* \*\*\*

Ben Gaither WA9YCA was a visitor for the first time to the March 13th meeting. He got his Novice ticket in Feb. 68 and now has his General and a Heathkit 301 and 401 to go withit.

\*\*\* \*\*\* \*\*\* \*\*\* \*\*\*

Marsh Lincoln W7DQS in Wickenburg, Arizona holds regular schedules with W9EL, or did until he told EL he had a chirpy sig and the dots weren't getting thru as well as the dashes and that QRM was taking him out. Wait'll EL gets his Laser Beam working.

\*\*\* \*\*\* \*\*\* \*\*\* \*\*\*

Jim Sugioka, largely responsible for IRCs new meeting place, is planning to go to the IEEE in NY in a few days.

\*\*\* \*\*\* \*\*\* \*\*\* \*\*\*

A large group from the Indianapolis area met at Jennings, Fla. Friday March 6th to take in the total eclipse scheduled for Saturday. Approximately 45 were there with 22 cameras mounted and ready. One was one of the new Questar 6" Reflectors with a 35mm camera. This little jewel is priced at \$5,400.00. Four other large guns with 20 to 30 FL lens and 4x5 and 5x7 film holders were there taking 2nd place to the Questar. There were two 3" Questars there too. A Questar in amateur astronomer ranks is equivalent to a room full of Collins and Signal One gear.

\*\*\* \*\*\* \*\*\* \*\*\* \*\*\*

One other little incidental note on the above - After a cloudless Friday we had a completely overcast sky Saturday. Sorri about that ol boy!



## Our Big March Issue

It was quite a king size undertaking but we did assemble and mail the March issue of Ama-chewer to every licensed Amateur in the Marion county area. Although we called it 1300 it was really 1248 issues, actually mailed. That was 5,200 sheets of paper, 2,600 staples, 1300 folds, 1248 licks at stamps and 1300 date stampings! It was a lot of help just to know that we had more offers for help than we could use. Those we did use were Lucas, Beckerich, Williams and Pittman and Xyl, Winston Hunter and Osterhaus. Toward the end (Sat. morning) we ran out of boxes but with the help of an old Duffel bag we got to the Post Office OK. Our cover bears the word "Return Requested" and we received 79 of them back. Although the addresses used were the latest info. available at the Call Book office these 79 were addressed to holders of amateur licenses who had moved without getting a modification to their license. At \$4.00 per I'll bet there is a pretty good percentage of U.S. amateurs in the same boat.

All the effort was paid for at the next meeting when our attendance was trippled. On top of this we have over twenty new members!

\*\*\* \*\*\* \*\*\* \*\*\* \*\*\* \*\*\*

## Special Membership Notice

### Repeat Item

In the January meeting it was voted to offer to past members, who have allowed their membership in IRC to expire, the opportunity to be reinstated without having to submit a new application, initiation fee, or pay up back dues. This offer will last until April 1st.

--- --- --- --- --- ---

Sorri fellers about the same cover again. If somebody had just had the foresight to have used Racquel Welches picture instead of a silly little old IC chasing around it wouldn't have been so bad. Anyway we will junk the 2600 on hand and

try for something a little different for the May issue. At least we've been constant, for the Lafayette Square show, the January, the February, the March and now the April issue.

\*\*\* \*\*\* \*\*\* \*\*\* \*\*\* \*\*\*

We learned today the Executive Press, who printed our March issue, had a bad fire and burned out about a week ago. They are now located in new and larger quarters across the street in the 3900 block of N. Keystone. They gave us very fast service and at the best price.

\*\*\* \*\*\* \*\*\* \*\*\* \*\*\* \*\*\*

## Blind School Radio Club Spin-Off

Ray Warren is one of the students from the Indiana School for the Blind that Caskey used to bring to the Club. Recently Bob Osterhaus had a new Organ installed and when the service man came to get it set up and ready and guess who the service man was. That's right! Bob recognized him but couldn't quite place him but Ray recognized Bob's voice! Ray has his own business and is doing fine in the electronics field after his initiation in Ham Radio at school. He and an assistant move organs for most of the north side and East side dealers. He repairs amplifiers too. Ray is on the air on six and two, AM & FM. So if your pianny or organ needs to have the final dipped why not call -

RAY \$ RAY's PIANO SERVICE  
7843 East 46th. St. 547 9984

\*\*\* \*\*\* \*\*\* \*\*\* \*\*\* \*\*\*

Speaking of organs we have a note that Gene H Hamilton W9JRZ has a rather modest layout - just a Rialto Model Gulbransen theatre type console with a few accessories like two built-in Leslie speakers, four 15 inch wall baffle speakers, two Hammond Reverberation units, a set of orchestra bells and about 14 channels of amplifiers! Also a 6' rack full of switching relays to play any any combination of tones thru any speaker. All of the speakers are concealed. (I wonder what the PF section looks like!)



Splatter

John Penn, W9UTQ, has received his Heath-Kit 220 Linear Amplifier, and is in the process of assembly.

\*\*\*\*\*

Dave Zeph, W9ZRX, is being sent on a two week business trip to Hawaii. He hopes to combine business with pleasure by doing some sight-seeing and having some eyeball QSO's with a few KH6's.

\*\*\*\*\*

Say all you serious DX- oriented hams of this Uni-Gov area, did you work any or all of the following in the past few weeks? XF4EB, Socarro; TI9CF, Cocos; W9FIU/KC4, Navassa; MP4QBK, Qatar; 5H3LV/A, Latham Island (may count as Zanzibar). Share your DX experiences with a local informal group going by the name of INDXA. Present officials; W9STR, Pres., and W9FU, Sec.

\*\*\*\*\*

Here's a thought- How about all the Uni-Gov area hams getting together at a pre-arranged meeting place, say the Hy-Gain or Collins booth at 12:00 noon on April 25th at the Dayton Hamvention for lunch and a renewal of old lang syne? No, you dummy, I don't mean that Collins or Hy-Gain is going to buy your lunch, but I am sure that they won't object to you meeting there.

\*\*\*\*\*

Noodle Nudger

Our intrepid ham went into one of the local emporiums and purchased a transistor and a socket. The transistor cost him a quarter more than the socket and together they cost \$1.25, how much did each cost?

Ray Forbes W9HNS was very active as the club program director and arranged many fb programs thru his numerous contacts. Art Schultz gave the third and final talk of a series about receivers. This last one was on FM. New members announced were E. J. Beeler; William Hoelker W9HOZ; William S. Moore W9WNB; Carl W. Brabender; John Howell; J. R. Nottingham; LeRoy T. Waggoner W1PER; James Farrell, Elmer Marchino; Ray Stelhorn W9ASD. Twenty Five members of the club chartered a bus for a trip to attend a dinner and a meeting of the Amateur Radio Transmitting Society of Louisville, Ky. They were shown a good time and carried several prizes back home.

Harry Butler reported on his conversion of a 522 to six meter operation. W9JTY Max Stout (from whom a letter was read at the last meeting) was to put on a demonstration of a home brew 40-80 emergency rig. W3FOS (formerly W9FOS) Nelson Trusler was in town with his new bride. W9KPN was reported to have broken down and worked Nobe Watson W9RUC (now W9WEO for his second USA contact of that year! Alvey W9JJC was reported to have plenty of RF in his mike but none in the antenna. (Is that what causes that red nose?) W9LMN Chet Martin, was sporting lace curtains in the new shack and welcoming visitors to the new look of the fifties!

Brands Noisy Splatter W9BNS was on 2 meters and getting across town. (DX then) W9NNX says  $\frac{1}{2}$ " conduit is fb for VHF beams. IRC was meetin in the North East Community Center at this time.

\*\*\* \*\*\* \*\*\* \*\*\* \*\*\*

# INDIANA TEENAGE NET

The Indiana Teenage Net (ITN) meets daily at 0000 GMT on 3740 KHz. All teenagers are welcome and urged to check in. It will give you lots of practice and develop your acquaintance on the band. Don't feel hesitant if your code speed could be better. This is the way to improve it.

- Dive in at 0000GMT on 3740.

WA9WHD



We would like to build this column or section into a big feature in Ama-chewer so if you have something you want to sell, trade or get rid of, send in a note reading just the way you want it to appear.

For Sale - Several Cabinets, Meters Prop Pitch Motor etc. Send SASE for list  
Paul Gregg 725 College Way Carmel 46032  
W9POC \*\*\* \*\*

For Sale - Panadaptor PCA 2T - 200 with Instruction Book. It requires a Rcvr. with a 455 IF. \$20.00  
\*\*\* \*\*

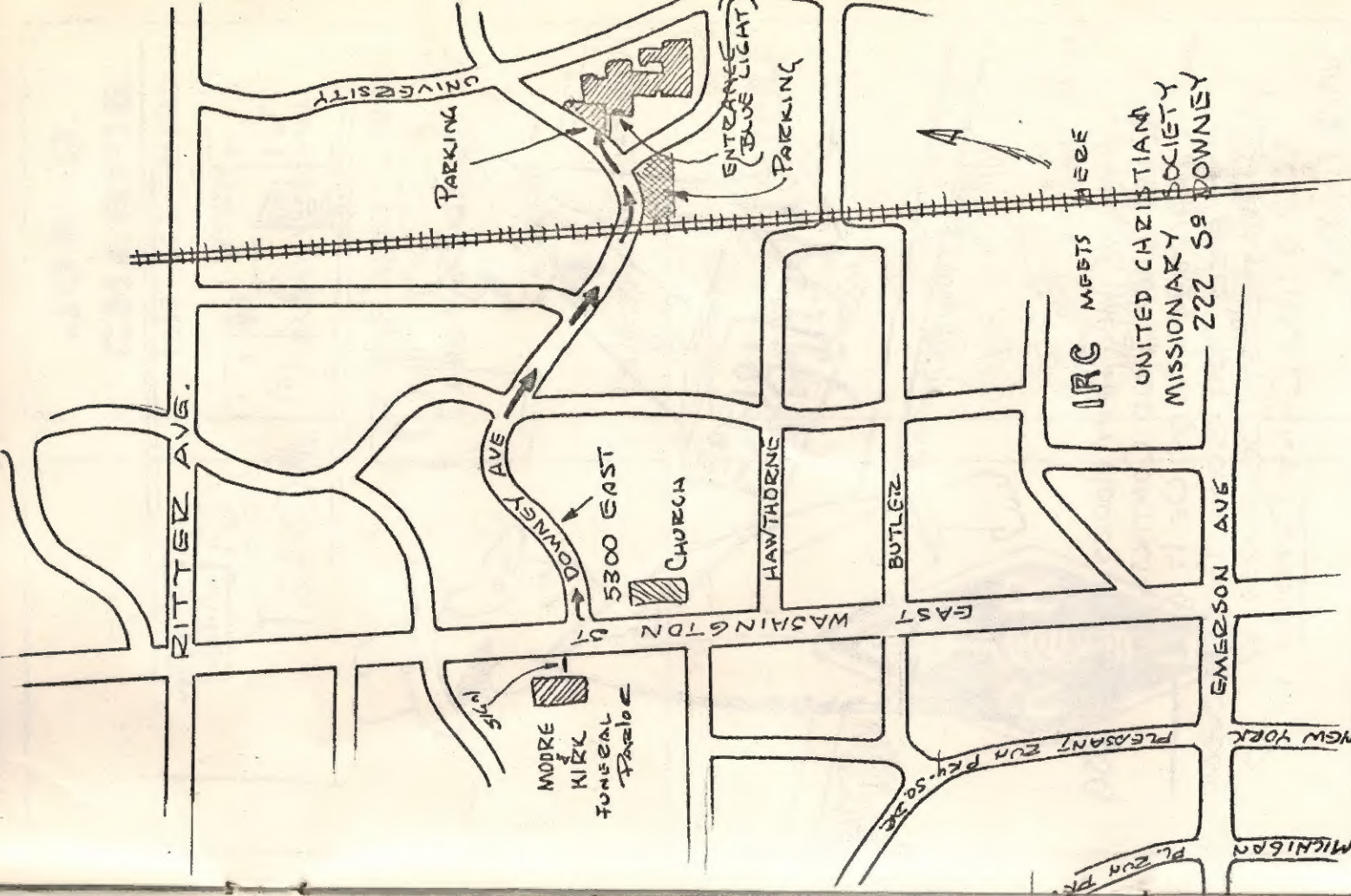
Wanted - Instruction Book and diagram (to borrow) for Harvey Wells Bandmaster Z Match Antenna Tuner. This item is for sale, left over from the equipment donated by W9MC. \$15.00 or ?  
\*\*\* \*\*

For Sale - 20m Command Xmmitter ready to go.  
80m Command Xmmitter ready to go  
900vdc Power Supply, regulated and built for above. Clean. Both adapted for RTTY. Good price and will dicker!

For Sale - Model 14 Tape Printer and Terminal Unit. Worked 13 states with 80m Command Xmmitter above.  
If you're interested in getting 291 9252 on RTTY see me, 2555 Westlane Road  
Alvey Pittman W9EL

Wanted - Johnson Match Box - small size -  
Paul Beckerich W9SUN  
253 0886

One of our agents tells us we may have a king size ad with lots of goodie now being sorted out.  
Again lets see if we can make this an interesting feature page in future issues of Ama chewer





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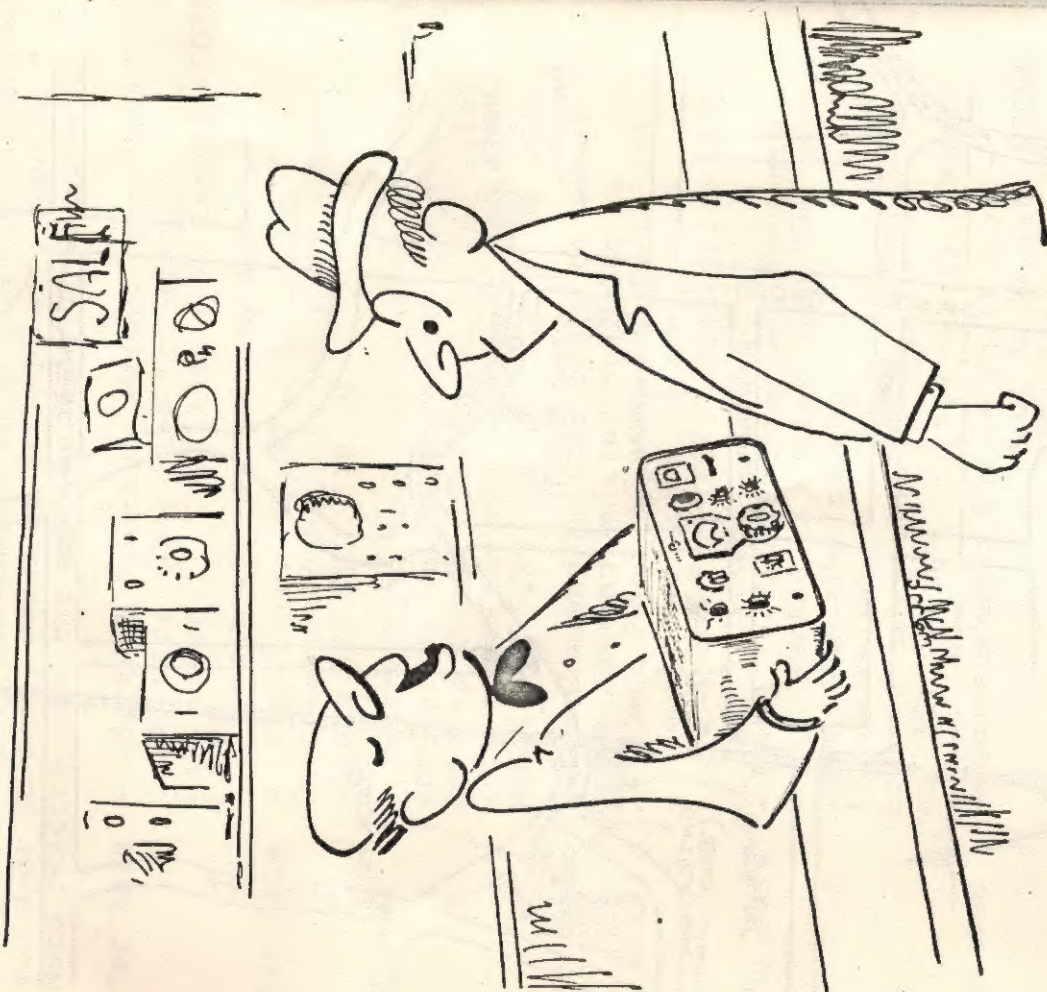
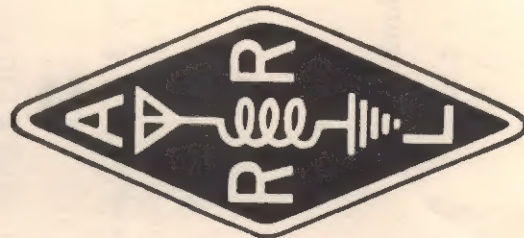
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ROY W9YMW



THINK OF THE HAPPY HOURS - THE DX QSOs  
THE THRILL OF SOLID CONTACTS -  
THE SHEER JOY OF IT ALL -  
ARE YOU GOING TO OVERLOOK  
ALL THAT JUST BECAUSE  
YOU CANT AFFORD IT ?